

APPENDIX B

BUSINESS NEEDS BY DRIVING ISSUE

| Driving Issue | Business Need | Description | Partners | Comments |
|--|--|---|---|----------|
| Reporting Requirements | Road Inventory | County Road Authorities maintain records of maintained roads with inventory information that is used to determine gas tax allocation. | County and City, ITD, Tribal, School District | |
| Reporting Requirements | GASB Reporting | Fixed Asset Inventory must be developed and maintained to comply with GASB 34. | County and City, ITD, | |
| Reporting Requirements & Efficiency and Coordination | Work with HPMS/FC replacement | The Highway Performance Monitoring System and Functional Classification Systems are maintained by ITD for the FHWA. These systems get data from many partners. Aligning these systems would prevent unnecessary duplication of data and effort. | FHWA, ITD, County and City, MPO | |
| Reporting Requirements & Planning | Map Production | Organizations must produce cartographic products for decision makers, public education and other routine purposes. | All | |
| Emergency Management | Access Restrictions | Emergency responders need accurate, current information on road closures, weight limits, and related matters | ITD, County and City, E-911, Bureau of Census | |
| Emergency Management | Emergency Coordination | Agencies need to share information re evacuation routes and determine alternate routes. | E-911, ITD, County and City, School Districts | |
| Emergency Management | Transportation Infrastructure Vulnerability Assessment | Vulnerability assessments must be performed for transportation infrastructure statewide and assigned a risk level. | ITD, County and City, E-911 | |
| Emergency Management | Street Address Assignments | Counties and other agencies must be able to assign unique addresses to new construction promptly and reliably and conveying that information to other agencies. | County | |
| Public Safety & Land Management | Railroad Inventory | A variety of information about rail lines is needed to support a variety of planning, management and safety needs, such as location, ownerships, road crossings | ITD, County and City, E-911, Bureau of Census | |
| E-Government | Street Names | Basic attribute information to be included with any centerline file. | State and Local Governments | |
| E-Government | Project Tracking | Recent completed project data that can be queried on demand. | ITD, County and City, E-911 | |
| E-Government | Public Notification | Rules and regs often call for public involvement prior to implementing a variety of activities. Automated methods can greatly facilitate public participation and education. | County and City, ITD | |
| E-Government | Service Rights Determination | Knowledge of address locations are necessary determine service rights. Online applications can greatly facilitate this need. | State and Local Governments | |

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| Economic Development | Routing | Cooperatively sharing data regarding existing and proposed transportation infrastructure. | ITD, County and City, E-911, Bureau of Census | |
| Transportation Safety | Collision Analysis | Agencies collect collision data to analyze problem transportation corridors. | ISP, IDT, County and City Governments, Transit Organizations. | |
| Transportation Planning | Detailed Collision Analysis | Analysis of roadway collisions is sometimes based upon the whole system surrounding an occurrence, including off and on ramps, roads signals, and structures connecting to the roadway. | ITD, MPOs, Public Works, Emergency Management, | |
| Transportation Safety | Intermodel Analysis | Location and risk information must be available to assist decision makers in reducing intermodel safety issues, such as when railroad tracks cross roads. | Local Governments, Railroads, Transit Authorities | |
| Transportation Planning | Alternative Route Analysis | Decision makers need to evaluate and map alternate routes and communicate with the public. | ITD, County and City, E-911, School Districts | |
| Transportation Planning | Traffic Flow Analysis | Planning units of agencies need to map and analyze traffic flows. | County and City, ITD, Community Transit | |
| Transportation Planning & Efficiency and Coordination | Infrastructure Planning | Organizations need to share each other's plans for constructing or modifying transportation infrastructure, including sidewalks, so that opportunities for coordinated efforts can be realized. This data needs to be located on a GIS database. | IDT, County and City, E-911, Bureau of Census | KCATT works on this some already. |
| Transportation Planning | 20-Year Transportation Plan | Developing a 20-year plan involves using statewide transportation planning data, as well as a variety of other data. This other data will be included in the data sections of this document. | ITD, Highway Districts, City | KCATT works on this some already. |
| Transportation Planning | Tracking Activities along Transportation Network by Organizations without Jurisdictional Responsibility | The specific need identified was stated as "Knowing when and where utilities plan to work so we can combine paving efforts." | ITD, public works | |
| Transportation Planning | Right of Way Widths | Current and future right-of-way widths for transporation planning and property acquisition. | ITD, Highway Districts, City | |
| Transportation Planning | Traffic Volumes | Current and projected volumes for transporation planning | State and Local Governments, Private business | |

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| E-Government & Planning & Efficiency and Coordination | Modeling Freight Flows | Information on truck trips, commodities, truck configurations, origins, destinations, and specific routes for all highways must be incorporated into a GIS and made available to highway planners, modelers, and policy analysts. | Freight Policy and Planning | |
| Efficiency and Coordination | Survey Data Sharing | Engineers scoping and designing an infrastructure project would greatly benefit from knowing what areas have been surveyed by other agencies to avoid resurveying the same area. | IDT, Highway Districts, City Governments, Transit Organizations | |
| Efficiency and Coordination | Roadway Improvement Sharing | Sharing road improvements among jurisdictions would facilitate coordination and help realize efficiencies. | ITD, public works | |
| E-Government | Mapping using Address Matching | A fundamental use of the transportation network will be location determination by address. | Transit, County and City, E-911, ITD, Census, Private Business | |
| Efficiency and Coordination | Accurate centerlines and rights-of-way | It is very important that the feature location is accurate for purposes of metes and bounds legal descriptions. | State and Local Governments | |